C14–CM/IT–**106**

4032

BOARD DIPLOMA EXAMINATION, (C–14)
OCT/NOV—2018
DCME - FIRST YEAR EXAMINATION

PROGRAMMING IN 'C'

Time : 3 hours] [*Total Marks* : 80

PART—A 3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. List the various sections that constitute structure of a C program.

2. Define a keyword. List any 6 key words of C.

3. Write a C program to read and print a character using getchar(), putchar().

4. Write the syntax and flow chart of if-else statement.

5. Distinguish between while, do-while statements.

6. How to declare a one dimensional array to store 100 integers?

7. Write the purpose of strlen() with an example.

8. Define recursion. Give an example.

9. What is the purpose of free()?

10. Write about fseek()?

Instructions : (1) Answer *any* **five** questions.

(2) Each questions carries **ten** marks.

(3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. a) Explain the operators i) sizeof   ii) typecasting with examples.

b) Explain the advantages of functions.

12. a) Explain if-else-if ladder statement with example.
b) Write a C program to find the maximum of 2 numbers.

13. a) Explain do-while statement with syntax and sample program.
b) Write a C program to check the given number is palindrome number or not.

14. Write a C program to find the multiplication of two matrices.

15. Explain how to pass one dimensional arrays to function with an example.

16. a) Define pointer? How to creat and initialize it? Give an example.

b) Distinguish between malloc(), calloc().

17. How to creat pointer to structure ?Explain with an example.

18. Write a C program to copy the contents of one file to another.

* * *